ABSTRACT

A method of applying flux to molten metal. A heat insulating shell comprises a porous ceramic fibrous refractory material. The shell includes an opening therein. A fluxing material is poured into the shell through the opening and is bonded thereto. The shell with the fluxing material therein is then exposed to molten metal in a casting mold. Only the portion of the fluxing material closest to the opening is exposed to the molten metal. The remainder of the interior fluxing material is thermally insulated from the heat of the exterior molten metal. That portion of the fluxing material that is exposed to the molten metal melts and escapes into the molten metal. Thus, the method provides for applying flux to molten metal in a controlled time release manner.